

GADZHI-KASUMOV, A.S.

New data on oil occurrences in the lowest beds of the Balakhany series in the Balakhany-Sabunchi-Kumany field. Izv. vys. ucheb. zav. neft' i gaz 7 no.2:6 '64. (MIRA 17:10)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova.

S/188/61/000/006/007/007  
B108/B102

AUTHORS: Gadzhokov, V. I., Petushkov, A. A., Estulin, I. V.

TITLE: Device for  $\beta$ - $\gamma$  correlation measurement with recording of the circular polarization of the gamma quanta

PERIODICAL: Moscow Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 6, 1961, 76 - 82

TEXT: The circular polarization of the gamma quanta from a beta-decay depends on the angle  $\Theta$  between to departing  $\beta$ -electron and gamma quantum:  $W(\Theta) = 1 + A \frac{v}{c} \cos\Theta$ , where  $v$  = electron velocity. The circular polarization can be observed in  $\beta$ - $\gamma$ -coincidences. The authors designed a device for the measurement of the asymmetry coefficient  $A$  in the  $\beta$ - $\gamma$  correlation. The circular polarization of the gamma quanta is detected by measurement of the Compton scattering. The direction of polarization of the electrons in the scatterer is frequently changed in order to remove the slow drift of the electronics and of the radiation detectors luminescence spectrometers. The electrons from the radioactive source

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Device for  $\beta$ - $\gamma$  correlation...

are recorded by means of a 2-mm thick anthracene crystal; the gamma quanta are scattered from a magnetic cylinder and strike a 4-by-4-mm NaI(Tl) crystal. The coincidence circuit has a time resolution of  $3 \cdot 10^{-8}$  sec. An autocommutation unit controls the automatic operation of the device. The numbers of overall ( $N_{\text{source}} + N_r$ ) and of random coincidences ( $N_r$ ) at the specific directions of the magnetic field in the scatterer are stored in the respective subcounters. Detailed descriptions of the rapid-operation pulse analyzer and of the autocommutation unit used in the described device are given. The automatic operation of this device reduces the fluctuations of the partial counts and simplifies evaluation. The device is very useful in work with short-lived radiation sources. Yu. V. Gaponov (ZhETF, 36, 193, 1959) and A. S. Melioranskiy (PTE, no. 3, 44, 1961) are mentioned. There are 3 figures and 7 references: 5 Soviet and 2 non-Soviet. The reference to the English-language publication reads as follows: Hartwig G., Schopper H. Phys. Rev. Lett., 4, 293, 1960.

Card 2/43

Device for  $\beta$ - $\gamma$  correlation...

S/188/61/000/006/007/007  
B108/B102

ASSOCIATION: NIIYaf MGU

SUBMITTED: April 14, 1961

Fig. 1. Schematic diagram of a device for the measurement of  $\beta$ - $\gamma$  correlations with recording of the circular polarization of the gamma quanta. Legend: (1) cathode follower and pulse shaping, (2)  $\beta$ - $\gamma$  -13 (FEU-13) photomultiplier, (3) light pipe, (4) magnet, (5) scatterer, (6) anthracene, (7) source, (8) pulse analyzer, (9) amplifier, (10) coincidences, (11) autocommutation, (12) counters, (a)  $N_r$ , (b)  $N_{source + 2N_r}$ , (13) magnetic control, (14) mains, 50 cps, (15) UC-64 (PS-64) converters.

Card 3/42

KIPERMAN, S.L.; GADZI-KASUMOV, V.S.

Evaluation of the effect of reverse reaction in interpreting  
the kinetic data. Izv. AN SSSR. Ser. khim. no.6:1110-1113 '65.  
(MIRA 18:6)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

CR

GODZIKIEWICZ, W.

14

Godzikiewicz, W.: Metodyka badań higienicznych powietrza wody i gruntu (Methods of Sanitary Examination of Air, Water, and Soil). Warsaw: Farm. Inst. Wydawniczy, 1949. 334 pp. Zl. 1000. Reviewed in *Przemysł Rolny i Spółwczesny* 4, 264 (1950).

1951

FIJALKOWSKI, Wladzimierz; GADZIKIEWICZ, Witold

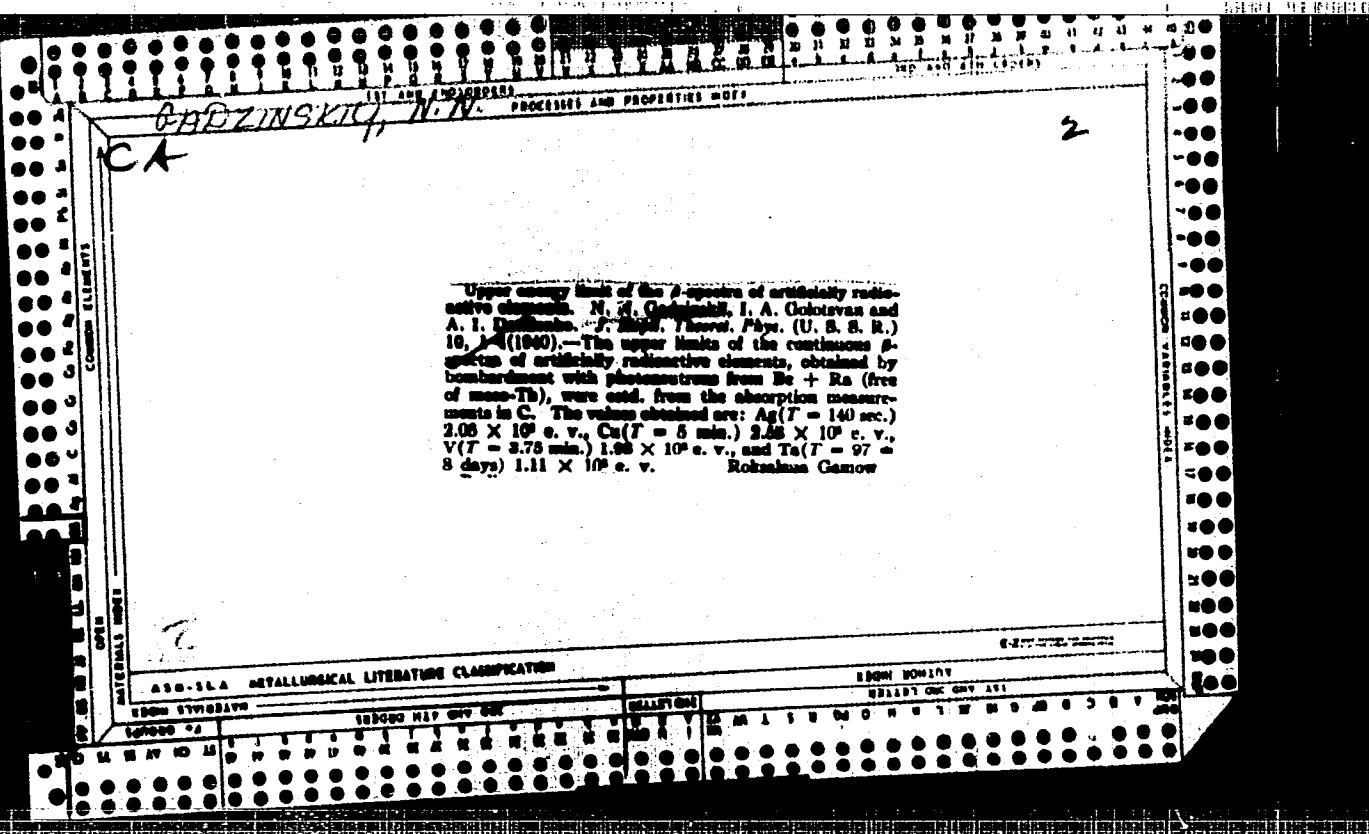
Results of balneological treatment of inflammatory process of the reproductive organs. Gin. polska 28 no.5:559-566 Sept-Oct 56.

(GYNECOLOGICAL DISEASES  
inflamm., balneother. (Pol))  
(BALNEOLOGY  
in gyn. inflamm. (Pol))

GADZINSKA, Eugenia

The International Radio University of the International  
Radio and Television Organization. Problemy 20 no. 6:  
378 '64.

1. Head, Editorial Office of Broadcasting of the International  
Radio University in Polish Broadcasting, Warsaw.



GADZIYEEVA, M.A.

Effect of organomineral fertilizers on the root microflora  
of perennial grasses. Dokl.AN Azerb.SSR 15 no.2:163-167  
'59. (MIRA 12:5)  
(Rhizosphere microbiology) (Grasses--Fertilizers and manures)

GADZUK, B.

2791. IMAGE OPTICON, TYPE 6 OM 40

B. Gadzuk, J. Prchal and M. Steinhausen.

Technický Obzor, Vol. 18, No. 12, 891-4 (1957). In Czech.

A general description (electrical characteristics, construction details, functioning and production technology) of the

Czechoslovak camera tube is given. The device has an

length of 325 mm and a maximum diameter of 70 mm.

with a semi-transparent photo-cathode giving a minimum

of 20  $\mu$ A/lm and having a maximum spectral sensitivity

4400 Å.

The photo-cathode is operated at supply voltages of

250 to 1400 V. The five dynodes of the tube are given potentials

250 to 1400 V. The collector operates at 1.5 kV and gives a maximum current of 150  $\mu$ A. Minimum signal current of the

tube is 1  $\mu$ A.

CZECHOSLOVAKIA/Optics - Physical Optics.

K

Abs Jour : Ref Zhur Fizika, No 2, 1960, 4501

Author : Gadzuk, Bohdan

Inst : Research Institute for Vacuum Electronics, Prague,  
Czechoslovakia

Title : Measurement of the Thickness of Very Thin Transparent  
Layers by the Method of Interference

Orig Pub : Slaboproudny obzor, 1959, 20, No 2, 85-87

Abstract : The measured layer is illuminated with white light at  
a certain angle to the normal and is viewed under the  
same angle in a spectroscope. The number N of the in-  
terference fringes observed in the spectrum in a cer-  
tain interval between the points of the spectrum, cor-  
responding to the wave lengths  $\lambda_1$  and  $\lambda_2$ , is deter-  
mined. The thickness of the layer is calculated from a

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APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614010005-4"  
CZECHOSLOVAKIA/Optics - Physical Optics. K

Abs Jour : Ref Zhur Fizika, No 2, 1960, 4501

formula which relates the thickness with N,  $\lambda_1$ ,  $\lambda_2$ ,  
the angle of incidence, and the index of refraction of  
the layer. In this method it is possible to measure  
layers of thickness on the order  $10^{-2} \text{ -- } 10^{-3} \text{ mm}$ . --  
Yu.M. Golubovskiy

Card 2/2

94440

Z/037/60/000/005/034/056  
E192/E382

AUTHORS: Prchlik, J. and Gadžuk, B.

TITLE: Bronzes Having Large Secondary Emission for Image  
Orthicons 25

PERIODICAL: Československý časopis pro fysiku, 1960,  
No. 5, p. 433

TEXT: The problem of obtaining suitable secondary-emission coefficients in AlCu and BeCu bronzes is dealt with. The coefficients were measured at various temperatures, for various types of heat treatment and at various pressures. The effect of the surface treatment and the influence of the surrounding medium on the formation of the activation layer were also studied. Laboratory equipment suitable for selecting the dynodes on the basis of the secondary-emission coefficient is described.

ASSOCIATION: Výzkumný ústav pro vakuovou elektrotechniku,  
Praha (Research Institute for Vacuum  
Electrotechnology, Prague)

VB

Card 1/1

PRCHLIK, Jaroslav, inz.; GADZUK, Bohdan, inz.

Bronze alloys with a high secondary emission for orthicons. Slaboproudý obzor 22 no.8:453-456 '61.

1. Vyzkumný ustav vakuové elektrotechniky, Praha.

(Television)

KABANOV, S.Ye.; GAKYUK, N.S.; METROVINA, K.G.

Treatment at Sochi-Mastesta Health Resort of some chronic diseases of the liver, gallbladder and biliary tract with indications for hydrogen sulfide bath therapy. Vop. kur., fizioter. i lech. fiz. kul't. 29 no.4:367-369 Jl-Ag '64. (MIRA 18:9)

1. Sochinskiy sanatoriy imeni Ya. Fabritsiusa (nachal'nik N.N. Chukalin).

BELAENKO, F.A., GAEK, I.U.V.; DRUKOVANYI, M.F.

Using high-speed motion-picture photography for studying by means  
of the photoelastic method the stresses occurring in solids during  
an explosion. Zhur.nauch.i prikl.fot.i kin 6 no.4:286-288 J1-  
Ag '61. (MIRA 14:10)

(Photoelasticity)  
(Motion-picture photography, High speed--Scientific applications)

YUGOSLAVIA / Inorganic Chemistry. Complex Compounds. C

Ab<sub>s</sub> Jour: Ref Zhur-Khimiya, No 21, 1958, 70300.

Author : Petru, Gaek, Yosht.

Inst : Not given.

Title : The Preparation of the Addition Products of Anhydrous Chloride and Bromide of Scandium With Alcohols.

Orig Pub: Croat. chem. acta, 1957, 29, No 3 -4, 457 - 460.

Abstract: Upon the reactions of alcohols in their vapor state with anhydrous  $ScCl_3$  compounds are formed of the composition  $ScCl_3 \cdot nROH$ , where R is  $CH_3$  ( $n = 4, 3, 2$ );  $C_2H_5$  ( $n = 3, 5, 3, 2$ );  $n-C_3H_7$  ( $n = 3, 2$ );  $n-C_4H_9$  ( $n = 3, 2$ );  $n-C_5H_{11}$  ( $n = 3, 2$ );  $n-C_6H_{13}$  ( $n = 3, 2$ );  $C_6H_5CH_2$  ( $n = 3, 2$ );  $CH_2CHCH_2$

Card 1/2

GAEI', A.G.; PIACHINDA, A.S.

Surface runoff on sands [with summary in English]. Pochvovedenie  
no.4:86-90 Ap '58. (MIRA 11:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.  
(Runoff)

GAEL', A.G.; DOSKACH, A.G.; TRUSHKOVSKIY, A.A.

Dust storms in March and April 1960. Izv. AN SSSR. Ser. geog. no.1:  
57-67 Ja-F '61. (MIRA 14:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova,  
Biologicheskiy fakul'tet i Institut geografii AN SSSR.  
(Russia, Southern—Dust storms)

GAEIJ, A.G. [Gaeij, A.G.], egyetemi tanar; TRUSKOVSKIJ, A.A.  
[Trushkovskiy, A.A.], kutato

Genesis, age and evolution of soils formed on sand in the  
steppe region of the Soviet Union. Erdö 13 no.1:20-26  
Ja'64.

1. Lomonosov Egyetem, Moszkva, Szovjetunio (for Gaeij)
2. Szovjetunio Tudomanyos Akademiajanak Foldrajztudomanyi  
Intezete, Moszkva, Szovjetunio. (for Trushkovskiy).

GAERTIG, Tadeusz

Light and movable triangulation tower. Przegl geod 36 no.6:  
222-223 Je '64.

1. Geodetic and Cartographic Institute, Warsaw.

BORKOWSKA-GAERTIG, Damita; KONOPNICKA-LACZYNsKA, Barbara.

Case of atresia of the posterior nares. Pediat. polska 30 no.5:  
485-488 May '55.

Z Oddz. Niemowlęcego i Oddz. Laryngologicznego Instytutu Matki  
i Dziecka w Warszawie. Dyrektor Instytutu: prof. dr Med. Fr. Groer  
Kierownik Oddziału Niemowlęcego: doc. dr Med. I. Bielicka.  
Kierownik Oddziału Laryngologicznego: dr med. J. Danielewicz.

Warszawa, Kasprzaka 17, I.M. i Dz.  
(NASAL CAVITY, abnormalities,  
atresia of nares)  
(ABNORMALITIES,  
atresia of nares)

GAERTIG - BORKOWSKA, DANUTA  
DANIELEWICZ, Jan; GAERTIG-BORKOWSKA, Danuta

Clinical aspects and pathomechanics of sinobronchitis in  
children. Pediat. polska 31 no.12:1309-1323 Dec 56.

1. Z Kliniki Laryngologii Dziecięcej Instytutu Matki i Dziecka  
w Warszawie Dyrektor Instytutu: prof. dr. med. Fr. Groer. Kierownik  
Kliniki: doc. dr. med. J. Danielewicz, Warszawa, ul. Kasprzaka  
17.

(SINUSITIS, in inf. & child  
with bronchitis, clin. & pathogen. aspects)  
(BRONCHITIS, in inf. & child  
with sinusitis, clin. & pathogen. aspects)

KOBIERSKA, M.H.; LESKIEWICZ, H.; ANGELIEWICZ, J.; GAERTIG-BORKOWSKA, D.

Simusogenic bronchial reactions in children. Pediat. polska 34 no.3:  
257-268 Mar 59.

1. Z Centralnej Poradni Przeciwigryzliczej w Warszawie Dyrektor: dr  
med. J. Gackowski i z Instytutu Matki i Dziecka w Warszawie Dyrektor:  
prof. dr med. Fr. Greer. Adres: doc. H. Kobierska, Warszawa, ul.  
Obrонcow 18.

(TUBERCULOSIS, PULMONARY, in inf. & child,  
exacerbation in paranasal sinusitis (Pol))

(SINUSITIS, in inf. & child,  
bronchial compl. & exacerbation of pulm. tuberc. (Pol))

(BRONCHI, dis.  
in paranasal sinusitis in child. (Pol))

CAERTNER H.

ALEKSANDROWICZ J. AND CAERTNER H.

\*Classification of blood diseases and haematological nomenclature (Polish text) SZPITALNICTWO POLSKIE 1950, 3/2-3 (407-457) and 1953 (76-92 and 386-410)

The authors present their plan of uniformization of the nomenclature based on the results of an investigation by means of a questionnaire. It is proposed to name the cells by terms composed of an adequate suffis and a radical, as follows: for still immature cells the suffix - blast, for mature cells - cyte and for anuclear cells - yde. The term 'thrombocyte' is rejected, as it is not at all a 'thrombosis cell' and instead the term 'plaxyde', from the greek word plax, is proposed. The plan includes abandoning of the old pseudoclassical terms and their replacement by modern terms in agreement with the progress of science. The pseudoclassical works 'thrombocyte' is thus replaced by a word denoting 'blood plaque' in a Greek-Latin combination. The name 'reticulocytes' should be reserved for cells of the RBC, and the term 'myelocyte' for cells deriving from the bone marrow. In the second part of the article, the authors propose a classification of affections of the haemopoietic system, based on a study of the function and the morphology. From this classification the authors were able to predict the discovery of certain diseases, which were theoretically proven to exist, but had up to recently remained unknown. The correctness of the classification was confirmed, among other

con't.

GAERTNER, Henryk

Treatment of blood diseases. Polskie arch. med. wewnętrz. 24 no.5:  
847-867 1954.

1. z III Kliniki Chorób Wewnętrznych Akademii Medycznej w Krakowie.  
Kierownik: prof. dr med. J. Aleksandrowicz.  
(BLOOD, diseases,  
ther.)

GAERTNER, Henryk (Krakow, ul. Lea 19a m 4)

Effect of bioclimatic and psychical factors on blood coagulation.  
Polski tygod. lek. 9 no.41:1335-1338 11 Oct 54.

1. Z III Kliniki Chorob Wewnętrznych A.M. w Krakowie; kierownik: prof.  
dr med. J. Aleksandrowich.

(BLOOD COAGULATION,  
eff. of climatic & psych. factors)

GAERTNER, Henryk

Therapeutic properties, mechanism of action, and application of  
alkylarylamine; bibliographic review. Postepy hig. med. dosw. 8  
no.3:411-442 1954.

(NITROGEN MUSTARDS,  
alkyl aryl amines, review)

GAERTNER, HENRYK.

BRUCKNER, Stanislaw; GAERTNER, Henryk

Alkylamines and their role in carbohydrate metabolism. Przegl.  
lek., Krakow 10 no.9:249-255 1954.

1. z III Kliniki Chorob Wewnetrznych Akad. Med. w Krakowie.  
Kierownik: Prof. dr J. Aleksandrowicz.

(AMINES, effects,  
alkylamines on carbohydrate metab.)

(NITROGEN MUSTARDS, effects,  
on carbohydrate metab.)

(CARBOHYDRATES, metabolism,  
eff. of alkylamines)

GAERTNER, Henryk

Case of multiple aortic aneurysms. Przegl. lek., Krakow 10 no.11:  
311-313 1954.

1. z II Kliniki Chorob Wewnętrznych Akad. Med. w Krakowie..

Kierownik: prof. dr J. Aleksandrowicz.

(AORTIC ANEURYSM,  
multiple)

GAERTHER, Henryk

New aspects of the aethogenesis of Werlhof's disease. Wiadomosci  
lek. 7 no.4:237-239 Apr. 54.  
(PORPURA, THROMBOPENIC etiology and pathogenesis.)

GAERTNER, Henryk

Modern indications for nitrogen mustard therapy. *Wiadomosci lek.*  
7 no.5:295-299 May 54.

(NITROGEN MUSTARDS, therapeutic use,  
indic.)

GAERTNER, Henryk; GERALA, Antoni

Thrombocytolysis. Polski tygod. lek. 10 no.15:462-463 12 Apr 55.

1. z III Kliniki Chorob Wewnętrznych A.M. w Krakowie; kierownik: prof. dr J. Aleksandrowicz i z Kliniki Chorob Dzieci A.M. w Krakowie; kierownik: prof. dr W. Bujak. Klinika Chor. Dziecięc. A.M. w Krakowie.

(BLOOD PLATELETS,

thrombocytolysis, allergic, in blood transfusion)

(BLOOD TRANSFUSION, complications,

allergy, with thrombocytolysis)

GAERTNER, Jenryk; ZAPALA, Zdzislaw; BYLA, Roman

Ovarial hemorrhage as complication of thrombocytopenic hemorrhagic diathesis. Polski tygod.lek. 10 no.26:869-871 27 Je '55.

1. Z III Kliniki Chorob Wewnętrznych w Krakowie; kierownik: prof dr J. Aleksandrowicz i z I Kliniki Chirurgicznej, Kierownik: prof dr Med. J. Bogusz, Krakow, Diersynakieg 19a/4

(OVARIES, hemorrhage

caused by thrombopenic hemorrhagic diathesis)

(HEMORRHAGIC DIATHESIS

thrombopenic, causing ovarian hemorrh.

(BLOOD PLATELETS, diseases

thrombopenia with hemorrh. diathesis, causing ovarian hemorrh.)

GAERTNER, Henryk; SWIECICKI, Eugeniusz, Krakow.

Cure of esophago-bronchial fistula with nitrogranulogen. Przegl.  
lek., Krakow 11 no.6:176-178 1955.

1. Z III Kliniki Chorob Wewnętrznych A.M. w Krakowie. Kierownik:  
Prof. dr J. Aleksandrowicz.

(FISTULA,  
bronchoesophageal, ther. nitrogen mustard)

(ESOPHAGUS, fistula  
bronchoesophageal, ther. nitrogen mustard)

(BRONCHI, fistula  
bronchoesophageal, ther., nitrogen mustard)

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CIA-RDP86-00513R000614010005-4

GAERTNER, Henryk, Krakow

Music and medicine. Przegl.lek.Krakow 11 no.8:250-252 1955.  
(MUSIC,therapeutic use  
melother.,hist)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614010005-4"

GAERTNER, Henryk

Immunothrombocytopathies. Polskie arch.med.wewn. 25 no.5:1023-1040  
1955.

1. z III Kliniki Chorob Wewnętrznych A.M. w Krakowie. Kierownik:  
prof. dr med. J. Aleksandrowicz.

(BLOOD PLATELETS,  
immunol.thrombocytic dis.,review)

EXCERPTA MEDICA Sec 16 Vol. 5/7 Cancer July 57

2596. GAERTNER H. 3. Klin. Chor. Wewnętrz. A. M., Kraków. Przypadek plasmocytoma z hipergamma-globulinemią *A case of plasmacytoma with hypergammaglobinaemia* Przegl. lek. 1956, 12/12 (372-376) Graphs 1 Tables 2 Illus. 4

By sternal puncture the diagnosis was made of plasmacytoma without plasmacytosis of the peripheral blood and without bone changes in a 56-year-old man. The blood showed an increased ESR, a protein level amounting to 18% (globulins:  $\gamma$  67.2,  $\beta$  5.52 and 15.39,  $\alpha$  11.45; albumins: 15.82%), positive Takata-Ara and other protein tests, the blood calcium level was 14.2 mg./100 ml.; phosphorus and phosphatases were normal, and Bence-Jones protein was absent. Mikulowski - Cracow

ALEKSANDROWICZ, Julian; GAERTNER, Henryk; MALGORZATA, Palester

Immunological aspects in pathogenesis of leukocytopathies and  
megakaryocytopathies. Polskie arch.med. wewn. 26 no.11:1661-  
1676 1956.

1. III Klinika Chorob Wewn. A.M. w Krakowie Kierownik: prof.  
dr. med. J. Aleksandrowicz, Krakow, Kopernika 17.  
(BLOOD DISEASES, immunology,  
leukocytopenias & thrombocytopenias (Pol))

EXCERPTA MEDICA Sec 16 Vol 7/2 Cancer Feb 59

701. *Th: antiphlogistic, anti-allergic and healing-promoting action of nitrogen mustard (NM) and its therapeutic application* Die antiphlogistische, antiallergische und heilungsfördernde Wirkung des Stickstofflots und ihre therapeutische Ausnutzung. GAERTNER  
H. III. Klin. für die Inn. Krankh., Med. Akad., Krakow *Z. ges. inn. Med.* 1957,  
12/9 (426-428)

Large doses (0.1 mg./kg. daily) of NM display a pronounced antimitotic, cytotoxic action. Similar, though less marked results can be obtained with daily dosages of 0.01-0.05 mg./kg., which are hardly, if at all, toxic. Still smaller doses (0.0025-0.025 mg./kg. daily) have an anti-inflammatory, anti-allergic and healing-promoting action. NM, stimulating the pituitary and the adrenal cortex, promotes the release

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of endogenous hormones, acts via the nervous system and possibly also directly on the diseased organs or tissues. NM increases the effect of low concentrations of antibiotics in vitro and in vivo. In view of these properties NM is used in many inflammatory, allergic, infectious and ulcerative (external and internal) diseases. Antibiotics can be given in smaller doses if combined with NM, e.g. in the treatment of tb.

Gaertner, H.

EXCERPTA MEDICA Soc.7 Vol.12/4 Pediatrics April 58

923. A CASE OF THROMBOCYTOLYTIC HAEMORRHAGIC DIATHESIS - Przy-  
padek trombocytolitycznej skazy krvotocznej - Gaertner H. and Gebala  
A., III Klin. Chorob Wewnętrznych A. M. w Krakowie - PEDIAT. POL. 1957,  
32/9 (1048-1052) Tables 2

Symptoms of thrombocytolytic haemorrhagic diathesis were observed in a 4-year-old child, with a significantly prolonged bleeding time. In the course of repeated blood transfusions, anaphylactic reactions appeared. These were combated by administration of ACTH or of erythrocytes suspension. The normal number of thrombocytes gradually diminished, dropping almost to zero. This was accompanied by a prolongation of the coagulation time, a deficiency in clot retraction, adhesion and agglutination of the thrombocytes, and a positive capillary sign. The mother and her brother showed a prolonged bleeding time and there was a Rhesus-incompatibility in the parents. A cross test between the thrombocytes and plasma of the patient and those of a healthy subject indicated that the patient's blood had marked auto- and isothrombocytolytic properties. It is thus emphasized that certain diatheses belong to the 'thrombocytolytic diseases', and that there exists the possibility of a serological conflict during repeated blood transfusions and in group incompatibility in parents, and that it is essential to introduce thrombocytolytic examinations.

Gaertner - Cracow

EXCERPTA MEDICA Sec 8 Vol 12/10 Neurology Oct 59

5407. MUSIC THERAPY - Die Melotherapie - Gaertner H. III. Inn. Klin., Med. Akad., Krakau - ARS MEDICI 1958, 5 (327-330)

This article gives a brief historic review of the psychological and physiological effects of music as noted in medical and non-medical literature. It is almost a catalogue of names of individuals who have made observations about the various effects of music. The author briefly outlines various areas which connect music and medicine and sketches some of the unsolved problems in these areas.

Pumpian-Mindlin - Los Angeles, Calif.

MIKULOWSKI, Paweł; GAERTNER, Henryk; CHŁAP, Zbigniew

Case of acute endotheliosis associated with agranulocytosis.  
Pat. Polska 9 no.1:81-90 Jan-Mar '58.

1. Z Zakładu Anatomii Patologicznej A.M. w Krakowie. Kierownik:  
prof. dr J. Kowalczykowa i z III Kliniki Chorób Wewnętrznych A.M.  
w Krakowie Kierownik: prof. dr J. Aleksandrowicz. Adres autora:  
Kraków, ul. Grzegorzecka 16).

(GRANULOCYTOSIS, compl.  
acute reticuloendotheliosis, case report (Pol))  
(RETICULOENDOTHELIOSIS, compl.  
agranulocytosis, case report (Pol))

GAERTNER, Henryk; LISIEWICZ, Jerzy

Inactivation of thrombin in the blood serum of normal adults.  
Postepy hig. i med. dows. 14 no.6:691-698 '60.

1. Z Pracowni Hemostatycznej Kierownik: dr H. Gaertner III Kliniki  
Chorob Wewnętrznych A.M. w Krakowie Kierownik: prof. dr J. Aleksandrowicz.  
(THROMBIN)

GAERTNER, H.

The effect of chronic circulatory insufficiency on blood  
coagulation. Stud. cercet. med. intern. 2 no.6:773-779  
'61.

(BLOOD COAGULATION) (BLOOD CIRCULATION)

GAERTNER, Henryk; LISIEWICZ, Jerzy

Thrombin inactivation time in the blood serum of normal adults in  
relation to the sex and serum preservation time. Acta physiol Pol 12  
no.5:693-702 '61.

1. Z Pracowni Hemostatycznej Kierownik: dr H. Gaertner Z III Kliniki  
Chorob Wewnetrznych L. M. w Krakowie Dyrektor: prof. J. Aleksandrowicz.

(THROMBIN) (BLOOD PRESERVATION) (SEX)

GAERTNER, Henryk

Effect of electrophoretic fractions of hemolysates on the utilization  
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Quick — Akademii Medycznej Uniwersytetu im. Marquette w Milwaukee,  
St. Zjedn. Amer. Poln. i Pracowni Hemostatycznej; kierownik: dr  
med. Henryk Gaertner — III Kliniki Chorob Wewnetrznych AM w Krakowie;  
kierownik prof. dr med. Julian Aleksandrowicz.  
(PROTHROMBIN) (HEMOLYSIS)

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(CEREBROSPINAL FLUID)

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1884, 1885, 1886, 1887, 1888, 1889, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896,

GAERTNER Henryk

POLAND

GAERTNER, Henryk, LISLEWICZ, Jerzy, SIEROSLAWSKI, Hubert, and SZIRWAI, Endre, Hemostatic Laboratory (Pracownia Hemo- statyczna) (Director: Dr. H. GAERTNER) and Third Clinic of Internal Diseases (III Klinika Chorob Wełniantryjnych), AM [Akademia Medyczna, Medical Academy] in Krakow (Director: Prof. Dr. J. ALEKSANDROWICZ)

"Inactivation of Thrombin by Normal Human Urine."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 3, 14 Jan 63, pp 84-86.

Abstract: [Authors' English summary modified] Normal urine activates added thrombin immediately when the urine is acid, and to a lesser extent when it is alkaline. Inactivation is insignificant in neutral or slightly alkaline medium. Alkalization of urine through diet is suggested for the treatment of hemorrhages of excretory system. There are 11 references, 3 Polish, 3 German, one Hungarian, and 4 English.

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1. Z Pracowni Hemostatycznej; kierownik pracowni: dr H.A. Gaertner, III Kliniki Chorob Wewnętrznych A.M. w Krakowie; kierownik Kliniki: prof. dr J. Aleksandrowicz i Pracowni Hemostatycznej Instytutu Badan Chorob Krwi; dyrektor: prof. dr Jean Bernard, Szpital sw. Ludwika w Paryzu.

(ERYTHROCYTES) (BLOOD COAGULATION FACTORS) (VENOMS)  
(CEPHALINS)

GAERTNER, Henryk; LISIEWICZ, Jerzy; SIEMOWSLAWSKI, Hubert; SZIRMAI, Endre

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18 no.3:84-86 14 Ja '63.

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Chorob Wewnętrznych AM w Krakowie; kierownik: prof. dr J. Aleksandrowicz.  
(THROMBIN) (URINE) (HYDROGEN ION CONCENTRATION)

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(Dyrektor: prof. dr. J. Aleksandrowicza).

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Mr-Ap '64.

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III Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie  
(Kierownik: prof. dr J. Aleksandrowicz) i z Pracowni Hemostatycznej  
Instytutu Hematologicznego Uniwersytetu w Paryzu (Kierownik: prof.  
dr J. Bernard).

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III Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie  
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19 no.35:1316-1318 31 Ag '64.

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GAERTNER, Henryk; GAERTNER, Ludwika; GOSZCZ, Wladyslaw; PASEK, Tadeusz

Effect of body position on blood composition and circulation.  
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GAERTNER, L.

COUNTRY	: Hungary	H-22
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 16 1959, No.	58408
AUTHOR	: Szuecs, M. and Gaertner, L.	
INST.	: Not given	
TITLE	: On the Mechanism of Coke Formation	
ORIG. PUB.	: Kohasz Lapok, 13, No 10-11, 491-497 (1958)	
ABSTRACT	: A review article with a bibliography listing 78 titles.	

CARD: 1/1

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PORUGALOV, V.V.; GAEVSKAYA, M.S. [Gayeskaya, M.S.] GERSHTEIN, L.M.  
[Gershtein, L.M.]; MOSOVA, E.A.

Changes in the nerve cell proteins in dogs during resuscitation from the state of clinical death. Physiol. Bohemoslov. 14 no.3:271-275 '65.

1. Institute of Brain, USSR Academy of Medical Sciences, and Laboratory of Experimental Physiology of Resuscitation, USSR Academy of Medical Sciences, Moscow.

GAFANOVICH, A. A.

Fatigue resistance of agricultural machinery parts. A. A. Gafanovich.  
Sel'mhozmashina, no 6, 1952.

1. GAFANOVICH, A. A.
  2. SSSR (600)
  4. Metals-Fatigue
  7. Fatigue resistance of machine parts.  
Vest. mash. 32 No. 10, 1952
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

15038\* (Endurance of Welded Joints.) Vynalivov\* ele-  
mentov svarynykh soedinenii. A. A. Gafanovich. Sverkhos-  
mashina, 1934, no. 6, June, p. 21-26.  
Chemical composition and strengths of lap and butt welds by  
manual and semiautomatic methods. Photographs, diagrams,  
graphs, tables.

GAFANOVICH, A.A., kandidat tekhnicheskikh nauk.

The strength of gears hardened by high-frequency heating.  
Sel'khozmashina no.3:24-29 Mr '56. (MIRA 9:7)  
(Gearing) (Metals--Hardening)

GAFANOVICH, A.A.; RABINOVICH, I.P.

Impact tests for agricultural machinery parts. Sel'khozmashina  
no.11:27-29 N '56. (MLRA 9:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokho-  
zyaystvennogo mashinostroyeniya.  
(Agricultural machinery--Testing) (Metals--Testing)

GAFANOVICH, A.A., kandidat tekhnicheskikh nauk.

Driving V-belts. Standartizatsiya no.2:75-78 Mr-Ap '57. (MLR 10:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya.

(Belts and belting--Standards)

28-6-19/40

AUTHORS: Gafanovich, A.A., Candidate of Technical Sciences and Lavrent'yev,  
L.N., Engineer

TITLE: The Wheels of Agricultural Machines (Kolesa sel'skokhozyaystvennykh mashin)

PERIODICAL: Standartizatsiya, 1957, # 6, pp 51-55 (USSR)

ABSTRACT: The standard "ГОСТ 3020-51" for wheels of agricultural machines has been replaced by the new "normal" standard "ОГ-13-63-57". The article contains detailed information on this new "normal" which was worked out by the All-Union Institute of Agricultural Machinebuilding (VISKhOM) (Vsesoyuznyy institut sel'skokhozyaystvennogo mashinostroyeniya).

The information includes the calculation formulas underlying the new normal; the geometrical data on rim cross sections (table 2) and detailed drawings of plough wheel "K - 1", cultivator wheel "K - 3", and harvester wheel "K - 13" are given.

It is said that the new "normal"-standard will create pre-conditions for specialized production of wheels at 2 or 3 plants situated in different regions of the country.

Card 1/2 There are 2 tables, 3 drawings and 1 diagram.

The Wheels of Agricultural Machines

28-6-19/40

ASSOCIATION: All-Union Institute of Agricultural Machinebuilding (VISKhOM)  
(Vsesoyuznyy institut sel'skokhozyaystvennogo mashinestroyeniya)

AVAILABLE: Library of Congress

Card 2/2 1. Industry-USSR 2. Agriculture machines-Wheels-Standards

GAFANOVICH, A.A., kandidat tekhnicheskikh nauk.

Testing the wear resistance of bevel gears. Sel'khozmashina no.7:26-29  
J1 '57. (MLRA 10:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo  
mashinostroyeniya.

(Gearing bevel--Testing)

GAFANOVICH, A.A., kand.tekhn.nauk; TARNOPOL'SKIY, B.L., inzh.

Applying the Kross method for calculating the strength of  
wheels. Sel'khozmashina no.7:28-30 J1 '57. (MIRA 11:1)  
(Wheels)

GALADZHEV, R.S.; GAFANOVICH, A.A.; KABANOV, Ye.Ye.; KATAR'YAN, Ye.S.

Investigating the strength of threshing drum shafts in combines.  
Trakt. i sel'khozmash. no.2:24-28 F '58. (MIRA 12:3)

1.Rostovskiy zavod sel'skokhozyaystvennoe mashinostroyeniya.  
(Combines (Agricultural machinery))

GAFANOVICH, A.A.,kand.tekhn.nauk

Calculations for V-belt drives in agricultural machinery.  
Trakt. i sel'khozmash. no.3:13-19 Mr '59. (MIRA 12:4)  
(Agricultural machinery) (Belts and belting)

25(2)

SOV/28-59-4-4/19

AUTHOR: Gafanovich, A.A., Candidate of Technical Sciences

TITLE: The Normalization of V-Belt Transmission Pulleys  
(Normalizatsiya shkivov klinoremennykh peredach)

PERIODICAL: Standartizatsiya, 1959, Nr 4, pp 13-15 (USSR)

ABSTRACT: The article contains comments to the branch standard ("otraslevaya normal") "ON 13-209-57" worked out by the Vsesoyuznyy institut sel'skokhozyaystvennogo mashinostroyeniya VISKhOM (All-Union Institute of Agricultural Machine Building). The "normal" was necessary because the state standard "GOST 1284-57" for drive belts and pulleys does not take into account the peculiarities of the work of belt drives in farming machines, i.e. where pulleys of a smaller diameter are often necessary to obtain a compact drive with a high ratio. The related calculations are included. There are 3 sets of drawings and 4 tables.

ASSOCIATION: VISKhOM

Card 1/1

GAFANOVICH, A.A., kand.tekhn.nauk

Calculating the technical and economic effectiveness of  
agricultural machinery units and parts. Trakt.i sel'khozmash.  
no.10:35-37 0 '59.  
(MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokho-  
zyaystvennogo mashinostroyeniya.  
(Agricultural machinery)

GAFANOVICH, A.A., kand.tekhn.nauk

Cardan transmissions of agricultural machinery. Trakt, i sel'khozmash.  
30 no.11:21-25 N '60. (MIRA 13:12)  
(Agricultural machinery--Transmission devices)

GAFANOVICH, A.A., kand.tekhn.nauk

Improve the power transmission of agricultural machinery. Trakt, i  
sel'khozmash. 31 no. 5:25-28 My '61. (MIRA 14:5)  
(Agricultural machinery) (Power transmission)

GAFANOVICH, A.A., kand.tekhn.nauk

Calculated life of the parts and assembly units of agricultural machinery. Trakt.i sel'khozmash. 32 no.9:42-45 S '62.

(MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozaystvennogo mashinostroyeniya.  
(Agricultural machinery)

GAFANOVICH, A.A., kand.tekhn.nauk; LAVRENT'YEV, L.N., inzh.

New lighter-weight parts and units of agricultural machines. Trakt.  
i sel'khozmash. 33 no.5:27-30 My '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyayst-  
vennogo mashinostroyeniya.

GALADZHEV, R.S.; GAFANOVICH, A.A.

Increasing the serviceability of the V-belt speed variator of the SK-4 combine. Trakt. i sel'khozmash. 33 no.12:20-23 D '63.

(MIRA 17:2)

1. Rostovskiy zavod sel'skokhozyaystvennogo mashinostroyeniya (for Galadzhev). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya (for Gafanovich).

GALADZHEV, R.S.; ZAKHAROV, S.P.; KOVALEV, N.M.; GAFANOVICH, A.A.

Studying the reliability of pneumatic tires for loading machines.  
Trakt. i sel'khozmash. no.11:23-25 N '64.

(MIRA 18:1)

1. GSKB Rostovskogo zavoda sel'skokhozyaystvennogo mashinostroyeniya  
(for Galadzhev). 2. Nauchno-issledovatel'skiy institut shinnoy  
promyshlennosti (for Kovalev). 3. Vsesoyuznyy nauchno-issledovatel'-  
skiy institut sel'skokhozyaystvennogo mashinostroyeniya (for  
Gafanovich).

I 59380-65

ACCESSION NR: AP5017859

UR/0266/65/000/011/0090/0051  
620.178.510  
BAUTHOR: Gafanovich, A. A.; Flik, E. P.

TITLE: A stand for testing the ball joints and telescoping sections of Cardan shafts. Class 42, No. 171615

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 11, 1965, 90-91

TOPIC TAGS: Cardan suspension, Cardan shaft, universal joint

ABSTRACT: This Author's Certificate introduces a closed cycle stand for testing the ball joints and telescoping sections of Cardan shafts. The device contains a recording strain-gauge dynamometer and two coaxially mounted speed reducers: a loading speed reducer which is displaced in a direction perpendicular to the axis of the shaft, and a lock speed reducer. The Cardan shafts to be tested are mounted between the output shafts of the locking speed reducer. The device is designed for making tests at any fixed or variable angle of displacement between the Cardan shafts from 0 to 30°. The locking speed reducer is made so that it can be shifted reciprocally by an independent drive in a direction perpendicular to its axis.

Card 1/3

L 59380-65

ACCESSION NR: AP5017859

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya (All-Union Scientific Research Institute of Agricultural Machine Building)

SUBMITTED: 18Jan64

ENCL: 01

SUB CODE: IE

NO REF Sov: 000

OTHER: 000

Card 2/3

I 59380-65  
ACCESSION NR: AP5017859

ENCLOSURE 01

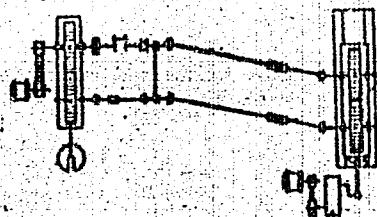


Fig. 1. 1--locking speed reducer; 2--drive for the locking speed reducer

Card 3/3 *WIP*

L 5356-66 ENT(m)/EPF(c)/T DJ

ACC NR: AP5026559

SOURCE CODE: UR/0286/65/000/019/0114/0114

44 44 44 44  
INVENTOR: Gafanovich, A. A.; Zanin, A. V.; Vidishev, B. G.; Filimonov, V. N.

ORG: none

TITLE: Cardan shaft with protective housing. Class 47, No. 175358

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 114

TOPIC TAGS: Cardan shaft, universal joint

ABSTRACT: An Author Certificate has been issued for a Cardan shaft consisting of a protective housing in the form of a telescoping tube with hemispheres, a shaft, and joints with grooved yokes. To better protect the Cardan shaft and prevent the housing's rotation, the housing is equipped with outer hemispheres connected to inner hemispheres by rings located in the universal joint's plane of vibration (See Fig. 1) and mounted on sealed ball bearings installed on the hubs of the grooved

Card 1/2

UDC: 621—76—233.1.825.6

0961 1209

L 5356-56

ACC NR: AP5026559

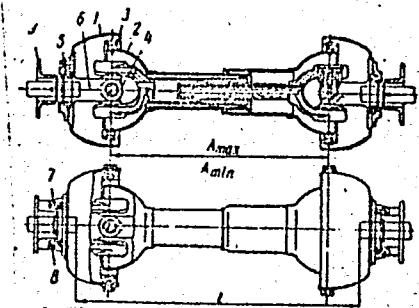


Fig. 1. Cardan shaft with protective housing

1 - Outer hemisphere; 2 - inner hemisphere; 3 - ring; 4 - joint; 5 - sealed bearing; 6 - grooved yoke; 7 - ears; 8 - lugs; 9 - connecting flange.

yokes. To prevent the Cardan shaft from operating without the protective housing, the outer hemispheres are fitted with ears for connection with the appropriate lug of the connecting flange. Orig. art. has: 1 figure. [KT]

SUB CODE: IE/ SUBM DATE: 13Nov63/ ATD PRESS: 4137

Card 2/2

FLIK, E.P.; GAFANOVICH, A.A.

Increasing the reliability of the Cardan joints of agricultural machinery. Trakt. i sel'khozmash. no.11:35-38 N '65.  
(MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya.

SIMKIN, G.S.; GAFANOVICH, G.Ya.

Investigating the precision of involute profile measuring devices.  
Izm.tekh. no.6:8-10 Je '61. (MIRA 14:5)  
(Measuring instruments—Testing)

GAFANOVICH, G.Ya.

Interferometry of involute cam profiles. Izm. tekhn., no.1, 23-24  
Ja '65. (MIRA 18:4)

SIMKIN, G.S.; GAFANOVICH, G.Ya.

Electric contact device for measuring small holes. Izm. tekhn.  
no.2:21-23 F '65. (MIRA 18:6)

GAFANOVICH, G.Ya.; SIMKIN, G.S.

Increasing the precision of testing and certification of gear-involute meters. Izm. tekhn. no.8:4-6 Ag '65. (MIRA 18:9)

11 (3), 28 (2)

SOV/115-59-10-20/29

AUTHOR: Gafanovich, M.D.

TITLE: Differential Manometer-Flowmeters With Automatic Correction by Several Gas Parameters

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 10, pp 47-51 (USSR)

ABSTRACT: Differential manometer-flowmeters with automatic correction according to the pressure, temperature and humidity of the gas are described in the article. The manometer-flowmeter developed by the TsLA "Energochermet" are analogous with those developed by the US Bailey Meter Co. (US patent, class 73-205, Nr 2718144, 20.9. 1955). Two varieties, ie. the DMKK and DMKV differential manometer-flowmeters without variable resistances and sliding contacts were constructed by the khar'kovskiy zavod (Khar'kov Plant) "KIF" according to the designs prepared by K.I. Didenko, V.M. Kovalev, V.A. Sushin, Zh.A. Guseva, N.G. Fedorova, B.Ya. Gorodetskiy and the author, Registration Certificate Nr 11253, 6 November 1958. The DMKK and DMKV differential mano-

Card 1/3

SOV/115-59-10-20/29

Differential Manometer-Flowmeters With Automatic Correction by Several Gas Parameters

meter-flowmeters have not yet been submitted to State tests. The technical data of these manometers are:  
1) measuring limits on pressure drops from 0-100 up to 0-1600 mm water column and 0-40 up to 0-160 mm of mercury column; 2) introduction correction limits on the absolute static pressure are 0-6, 5-11 and 7-17 kg/sq dm; 3) corrections on temperature are led-in in the range of  $\pm 50^{\circ}\text{C}$  from the rated temperature, but in the limits of temperatures measured by a copper or platinum thermometer; 4) the correction of the humidity content is led-in in the range of 0-50 gauss/sq cm (only for the DMKV model); 5) the basic indication error and the calculation values  $R, T$  and  $f$  does not exceed  $\pm 1.5\%$  of the upper measuring limit of the pressure drop; 6) total indication error at the departure of  $R, T$ , and  $f$  in the lead-in limits of the correction does not exceed  $\pm 4\%$  of the upper measuring limit of the pressure drop; 7) the time of passing of the indicating arm

Card 2/3

SOV/115-59-10-20/29

Differential Manometer-Flowmeters With Automatic Correction by  
Several Gas Parameters

through the whole scale during the intermittent change in the pressure drop from 0 to the maximum or vice-versa does not exceed 2.5 seconds. A detailed description of the DMKV model is given in the article. Both differential manometer-flowmeters are successfully used at the metallurgicheskiy zavod imeni Dzerzhinskogo (Metallurgical Plant imeni Dzerzhinskogo) and in the "Zaporozhstal' " Plant. There are 5 diagrams and 3 references.

Card 3/3

GAFANOVICH, M.D.; GORODETSKIY, B.Ya.

The DKFM bell differential manometer. Izm.tekh. no.9:23-25  
S '60. (MIRA 13:9)  
(Manometer)

B9644

S/115/61/000/002/002/006  
B116/B203

9,7200

AUTHOR: Gafanovich, M. D.

TITLE: Ferrodynamic transmitters for automatic control and regulating device

PERIODICAL: Izmeritel'naya tekhnika, no. 2, 1961, 8-12

TEXT: At the Khar'kovskiy zavod KIP (Khar'kov Plant KIP), a contactless transformer of the rotation angle into electric voltage was developed, and called "ferrodynamic transmitter". A new remote-measurement system and a number of computers were designed on the basis of this transformer. Fig.1 shows the basic circuit diagram of the transmitter. The frame 6, the ends of which are connected to the terminals 3 and 4 and the terminal board 7, may revolve in the radial magnetic field which is formed between the concentric surfaces of parts 4 and 5. The magnetic flux is generated by the alternating current flowing through the primary winding 10 of coil 8. The ends of the primary winding are connected to the terminals 1 and 2 of terminal board 7. The ferrodynamic transmitter makes use of the dependence of the emf  $E_p$  on the rotation angle  $\alpha$ , the primary current  $I$ , and the total

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Ferrodynamic transmitters for...

89644  
S/115/61/000/002/002/006  
B116/B203

magnetic permeance  $G$ . The  $E_{p \max}$  of the frame in its rotation through  $20^\circ$  (the working rotation angle of the frame is  $\pm 20^\circ$ ) is taken as a unit in measuring the initial emf  $E$ . This makes it possible to obtain functions  $E = f(\alpha)$  which, within a wide range, are independent of the absolute values of  $I$  and  $G$ . If it is necessary that the zero value of the emf should correspond not to the central position but to one of the limiting positions of the frame, the additional winding 9 must be connected in parallel to the frame. The ends of the additional winding 9 are connected to terminals 5 and 6 of the terminal board 7. The sense of rotation of the frame is determined by the connection of terminals 4 and 5 for a right turn, 3 and 5 for a left turn, as well as by the order of connection of the external leads with terminals 3 and 6, or 4 and 6, respectively. The ferrodynamic transmitters have only the dependences of the initial emf on the rotation angle of the frame as basic characteristics. All the other characteristics can be obtained by appropriate re-connection on the terminal board. The total magnetic permeance  $G$  is a function of the gap  $\delta$  (Fig. 1) between 2 and 3. Part 3 is fixed in part 4, and is called "immovable plunger". The movable plunger 2 is threaded, and can be fixed by nut 1. By changing  $\delta$  it

Card 2/7

8964  
S/115/61/000/002/002/006  
B116/B203

Ferrodynamic transmitters for...

is possible to change the inclination of the main characteristic of the transmitter while the primary current remains unchanged. This makes it possible to tune the characteristics of two transmitters and more in one circuit. The transmitters described are delivered in six types (see table). The following technical data were found in a test: At the rated primary current, with the movable plunger fixed, and the frame turned by  $20^{\circ}$  from the zero line, the emf of the frame is about 1.2 v; the nonlinearity of the function  $E_p = f(\alpha)$  is 0.4% at most, and that of  $E_p = f(I)$  is 0.5% at most.

After 1.5 revolutions of the movable plunger and with constant primary current, the range of change in the inclination of the main characteristics is about 40%. The working rotation angle of the frame is  $40^{\circ}$  ( $\pm 20^{\circ}$ ), and the rotation angle from stop to stop is  $60^{\circ}$ . Fig. 3 shows the design and dimensions of the transmitter. These ferrodynamic transmitters offer the following advantages over differential transformer transmitters: higher linearity of output emf; possibility of changing the inclination of the characteristic gradually and contactless (by means of the movable plunger); possibility of obtaining characteristics shifted in parallel to one another; a small moment required to turn the frame; stability of the phase of the

Card 3/7